

**"System and Method for Modeling**

**Video Network Reliability"**

Inventor: James H. Stephens, Jr.

Atty Docket: 021556.0135

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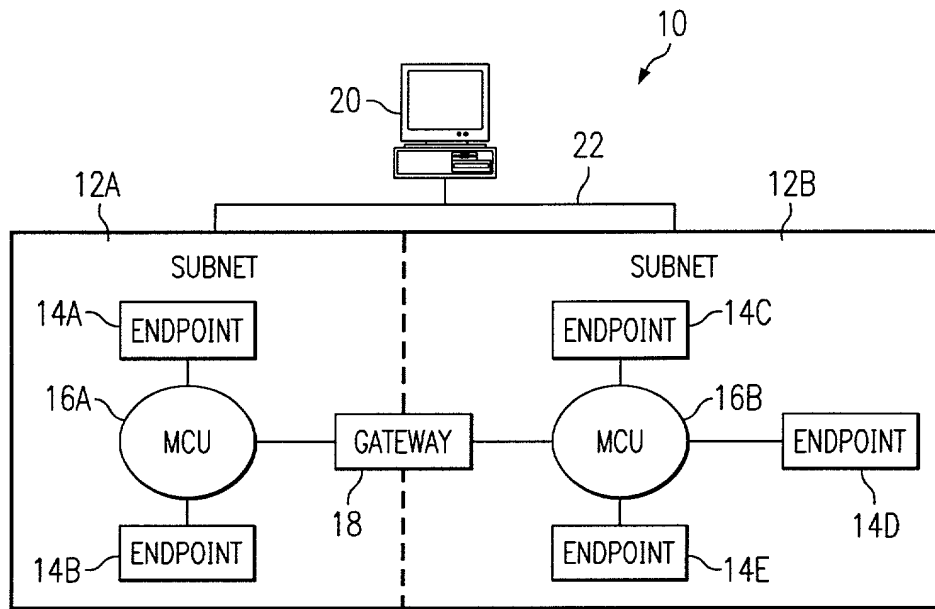


FIG. 1

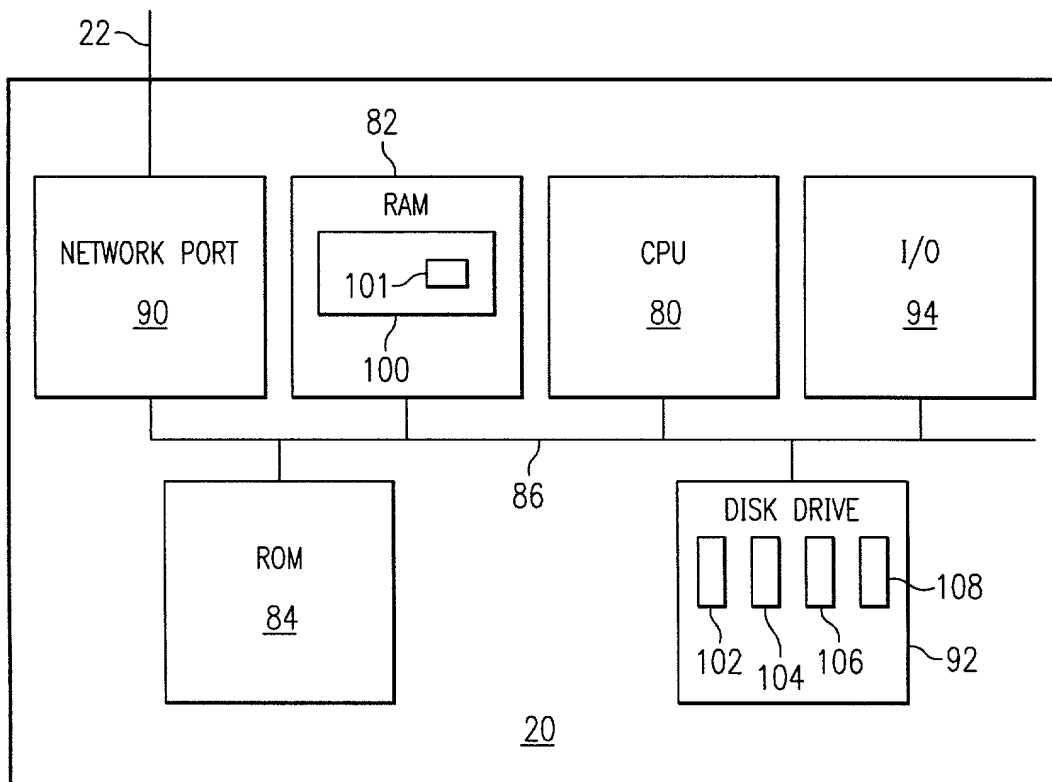
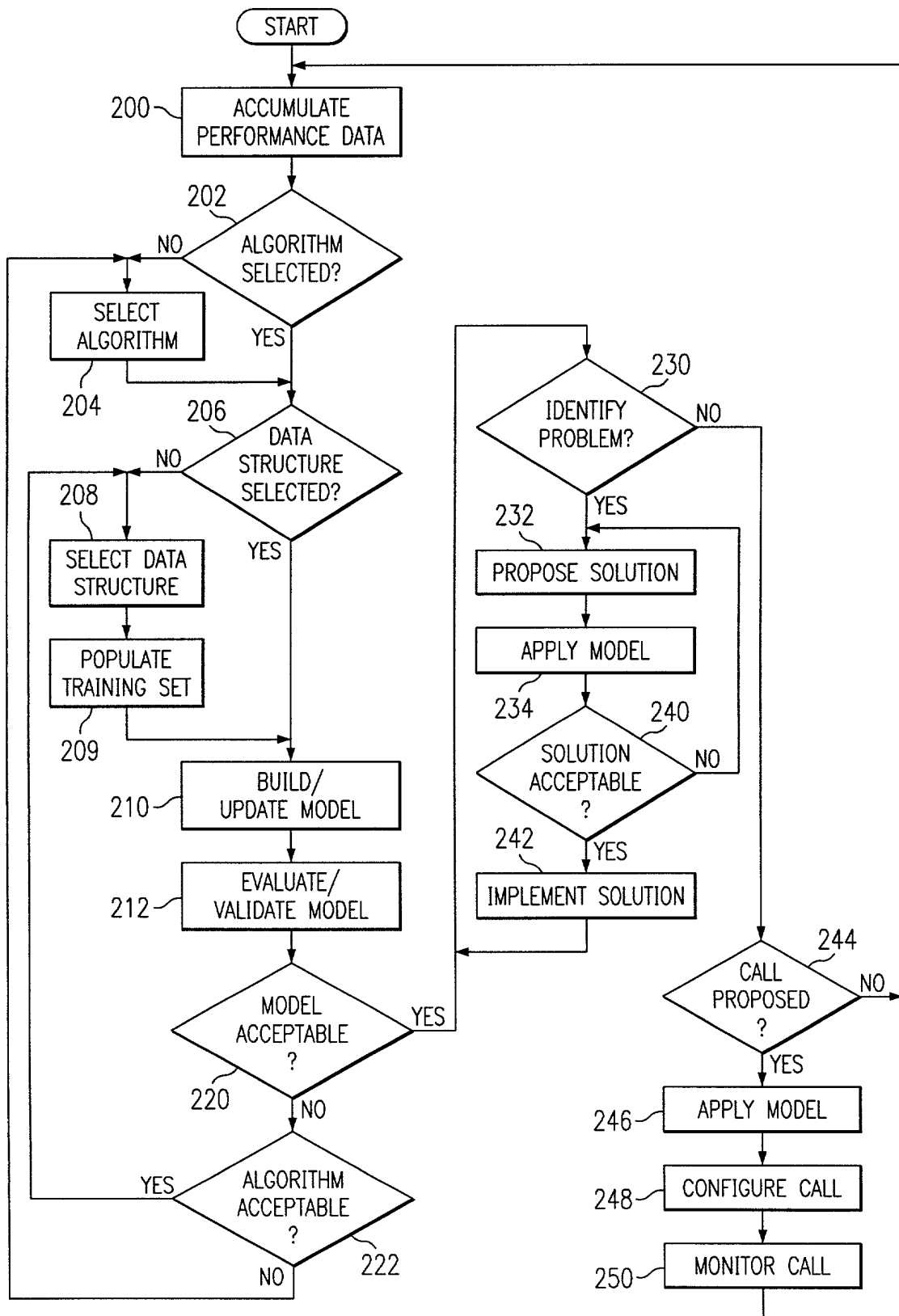


FIG. 6

FIG. 2



**"System and Method for Modeling  
Video Network Reliability"**

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CALL HISTORY TABLE

CALL-ID	FROM-SUBNET	FROM-ENDPOINT	FROM-VENDOR	FROM-MODEL	GATEWAY	TO-SUBNET	TO-ENDPOINT
C1	12A	14A	VTEL	GALAXY	18	12B	14C
C2	12A	14A	VTEL	GALAXY	18	12B	14C
C3	12B	14C	ILLUDIUM	Q-36	18	12A	14A
C4	40	50	VTEL	GALAXY	52	42	54
C5	12B	14C	ILLUDIUM	Q-36	18	12A	14A
°	°	°	°	°	°	°	°
°	°	°	°	°	°	°	°
°	°	°	°	°	°	°	°

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TO-VENDOR	TO-MODEL	MCU	LINE-SPEED	START-DATE	START-DAY	START-HOUR	DURATION	OUTCOME
ILLUDIUM	Q-36	TRUE	256Kbps	2001-10-12	FRIDAY	10	0:01:45	2
ILLUDIUM	Q-36	TRUE	512Kbps	2001-10-13	SATURDAY	10	0:20:00	12
VTEL	GALAXY	TRUE	256Kbps	2001-10-16	TUESDAY	12	2:00:00	0
ILLUDIUM	Q-36	TRUE	256Kbps	2001-10-16	TUESDAY	16	1:10:00	0
VTEL	GALAXY	FALSE	512Kbps	2001-10-19	FRIDAY	9	0:01:50	2
°	°	°	°	°	°	°	°	°
°	°	°	°	°	°	°	°	°
°	°	°	°	°	°	°	°	°

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FIG. 3

RULE 1:	TO-MODEL=Q-36	&	MCU=TRUE	→	CLASS/=0	[70.7%]
RULE 2:	FROM-VENDOR=VTEL	&	TO-VENDOR=ILLUDIUM	→	CLASS/=0	[63.0%]

FIG. 4

PROPOSED CALL

FROM-SUBNET	FROM-ENDPOINT	FROM-VENDOR	FROM-MODEL	GATEWAY	TO-SUBNET	TO-ENDPOINT
12A	14A	VTEL	GALAXY	18	12B	14C

TO-VENDOR	TO-MODEL	MCU	LINE-SPEED	START-DATE	START-DAY	START-HOUR	DURATION
POLYCOM	VIA VIDEO	FALSE	256Kbps	2001-10-22	MONDAY	10	2:00:00

FIG. 5